Soviet Physics Journal 1968 vol.8 N5, pages 103-105

Paramagnetic relaxation in single crystals of salts of the ions Mn++, Fe+++, and Cu++as a function of their orientation in a parallel constant magnetic field at room temperature

Volokhova T.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The paramagnetic absorption curves of single crystals of salts of the ions Mn++, Cr+++, Fe+++, and Cu++in an oscillating field of frequency 10.5 Mc are given as a function of orientation in a constant magnetic field H. The results are reported of determinations of spin-lattice relaxation times in these single crystals. The Brons-Van Vleck formula is checked. © 1968 The Faraday Press, Inc.

http://dx.doi.org/10.1007/BF00868561